

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

Axis Intellectual Capital Pte Ltd
19B Duxton Hill
Singapore 089602
SINGAPORE

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
(day/month/year) 28 January 2003 (28.01.03)

Applicant's or agent's file reference

WSY-P001WO

IMPORTANT NOTIFICATION

International application No.

PCT/ SG 02/00145

International filing date (day/month/year)

29 June 2002 (29.06.02)

Applicant

WONG, SHIH, YI

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statements under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3. ☐ With regard to the protest against payment of (an) initial fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the text of both the protest decision thereon to the designated Offices
 - ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminder:**

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 30 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide* Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/AT

Austrian Patent Office
Kohlmarkt 8-10
A-1014 Vienna
Facsimile No. 1/53424/200

Authorized officer

Wolf

Telephone No. +43 / 1 / 53424 - 450

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG 02/00145

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C02F 1/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷:

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPOQUE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/34678 A1 (MARINZET) 7 November 1996 (07.11.96) <i>abstract; claims 1-8; figures 1-4.</i>	1-9,13-21,25
A	US 4367140 A (WILSON) 4 January 1983 (04.01.83) <i>abstract; figure 1; column 2, lines 13-33; claims 1-9.</i>	1-25
A	DE 3831965 A1 (UEBERALL) 29 March 1990 (29.03.90) <i>abstract; claims 1-22; figure 2.</i>	1-25

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

9 January 2003 (09.01.2003)

Date of mailing of the international search report

28 January 2003 (28.01.2003)

Name and mailing address of the ISA/AT

Austrian Patent Office
Kohlmarkt 8-10; A-1014 Vienna

Facsimile No. 1/53424/535

Authorized officer

KOLLER G.

Telephone No. 1/53424/458

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG 02/00145

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A pressurization device is described mobilizing gravity to mobilize seawater and to employ a weight (56) for gravitationally applying a force to and thereby pressurizing an enclosed pocket (58) of seawater, resulting in low energy utilisation. Energy is further recovered from the flow of pressurized seawater that is supplied to the desalination system (20), resulting in a mechanically robust and energy efficient pressurization system.

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Information on patent family members

PCT/SG 02/00145-0

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
DE	A1	3831965	29-03-1990		none	
US	A	4367140	04-01-1983	AU	A1	64108/80
				AU	B2	540836
				CA	A1	1156935
				DE	C0	3068813
				EP	A1	28913
				EP	B1	28913
				JP	A2	56081108
				JP	B4	2058968
WO	A1	9634678	07-11-1996	AU	A1	58244/96
				FR	A1	2733698
				FR	B1	2733698